

2004 Water Quality Assessment (Final) - Category 5 Listings for WRIA 1

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
1	6229	5	Y	ANDERSON CREEK	MU69PG	1.252	39N	04E	19	Fine Sediment		Water
				The following references document habitat alterations: Schuett-Hames, 1984a, 29.1% in 1983 Schuett-Hames, 1988b, 20.4% mean value between 1983-1985 The following reference documents impairment of characteristic uses: Doughty, 1987, documented decline in Chinook stock The following references document human-caused contribution of sediment: Benda, 1993 Gowen, 1989 PEAK NW, 1986a PEAK NW, 1986b								
1	36852	5	Y	ANDERSON CREEK	MU69PG	7.277	38N	04E	06	Temperature		Water
				Lummi Nation unpublished data at station LNT-2492 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 19.3 degrees C from continuous measurements collected in 1996.								
1	7053	5	Y	ANDERSON DITCH	WO95OB	9.709	39N	02E	36	Dissolved oxygen		Water
				Western Washington University (1993), 9 excursions beyond the criterion out of 55 samples (16 %) between 7/91 and 5/93 at Site 12 (RM 2.0).								
1	7055	5	Y	ANDERSON DITCH	WO95OB	7.267	39N	02E	35	Dissolved oxygen		Water
				Western Washington University (1993), 34 excursions beyond the criterion out of 55 samples (62%) between 7/91 and 5/93 at Site 7 (RM 0.5).								
1	38983	5	N	AUSTIN CREEK	MH83NF	1.185	37N	04E	08	Dissolved oxygen		Water
				Western Washington University data from station COB-CW7 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994, 1996, and 1999.								
1	38950	5	N	BAKER CREEK	VI82QQ	0	38N	02E	24	Dissolved oxygen		Water
				City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1990, 1994, 1995, and 1996.								

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
1	39037	5	N	BAKER CREEK	VI82QQ	0.114	38N	02E	13	Fecal Coliform		Water
				City of Bellingham data from station COB-BAK1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 465 cfu/100mL from 9 samples collected in 1994.								
				City of Bellingham data from station COB-BAK1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 263 cfu/100mL from 11 samples collected in 1993.								
				City of Bellingham data from station COB-BAK1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 229 cfu/100mL from 10 samples collected in 1992.								
1	39038	5	N	BAKER CREEK	VI82QQ	0	38N	02E	24	Fecal Coliform		Water
				City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 118 cfu/100mL from 1 samples collected in 2001.								
				City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 234 cfu/100mL from 4 samples collected in 2000.								
				City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 826 cfu/100mL from 5 samples collected in 1999.								
				City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 67 cfu/100mL from 4 samples collected in 1998.								
				City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 53 cfu/100mL from 5 samples collected in 1997.								
				City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 183 cfu/100mL from 9 samples collected in 1996.								
				City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 75 cfu/100mL from 12 samples collected in 1995.								
				City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 193 cfu/100mL from 11 samples collected in 1994.								
				City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 147 cfu/100mL from 11 samples collected in 1993.								
				City of Bellingham data from station COB-BAK2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 281 cfu/100mL from 12 samples collected in 1992.								
1	41331	5	N	BAKER CREEK	VI82QQ	1.184	38N	03E	18	Pentachlorophenol		Water
				Anderson, P., Roose, M., (2004), station SQ4 shows that 2 of 2 samples exceed the criterion..								

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	
				Basis						Remarks		
DO to	1	41773	5	N	BAKER CREEK	VI82QQ	0	38N	02E	24	Zinc	Water
	Anderson, P., Roose, M., (2004), station SQ2 shows that 3 of 3 samples collected in years 2002 and 2003 exceeded the chronic criterion.											
	1	41775	5	N	BAKER CREEK	VI82QQ	1.184	38N	03E	18	Zinc	Water
	Anderson, P., Roose, M., (2004), station SQ4 shows that 3 of 3 samples collected in years 2002 and 2003 exceeded the chronic criterion.											
	1	5840	5	Y	BEAR CREEK	PI87SF	0.744	38N	02E	02	Dissolved oxygen	Water
	City of Bellingham unpublished data from station COB-SIL1 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 2000.											
	Western Washington University (1993), 6 excursions beyond the criterion out of 30 samples (20%) between 7/91 and 7/92 at Site 9A (Unnamed Creek WDF# 01.0146 at RM 0.3).											
	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments. Based on a review of monitoring studies for statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)											
WDF#01.0146	1	7132	5	Y	BEAR CREEK	PI87SF	0.285	38N	02E	03	Dissolved oxygen	Water
	Western Washington University (1993), 18 excursions beyond the criterion out of 55 samples (33%) between 7/91 and 5/93 at Site 8 (RM 4.6).											
	Changed on 7/21/05 from UNNAMED CREEK to BEAR CREEK based on Silver Creek Monitoring Project Final Report. -kk											
	Fecal Coliform											
WDF#01.0146	1	5830	5	Y	BEAR CREEK	PI87SF	0.285	38N	02E	03	Fecal Coliform	Water
	Western Washington University (1993), 15 excursions beyond the upper criterion between 7/91 and 5/93 at Site 8 (RM 4.6).											
	Changed on 7/21/05 from UNNAMED CREEK to BEAR CREEK based on Silver Creek Monitoring Project Final Report. -kk											
	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.											

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Medium	Remarks	
WDF#01.0146	1	5841	5	Y	BEAR CREEK	PI87SF	0.744	38N	02E	02	Fecal Coliform	Water	
					City of Bellingham unpublished data from station COB-SIL1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 88							Changed on 7/21/05 from UNNAMED CREEK	
					cfu/100mL from 1 samples collected in 2001.							to BEAR CREEK based on Silver Creek Monitoring Project Final Report. -kk	
					City of Bellingham unpublished data from station COB-SIL1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 313 cfu/100mL from 2 samples collected in 2000.							Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
					Western Washington University (1993), 6 excursions beyond the upper criterion between 7/91 and 7/92 at Site 9A (Unnamed Creek WDF# 01.0146 at RM 0.3).								
WDF#01.0146 0.473	1	5842	5	Y	BEAR CREEK	PI87SF	0.744	38N	02E	02	Fecal Coliform	Water	
					Western Washington University (1993), 7 excursions beyond the criterion between 9/92 and 5/93 at Site 10 (Unnamed Creek WDF# 01.0146 at RM 0.8).							Changed on 7/21/05 from UNNAMED CREEK	
												to BEAR CREEK and WASWIS changed from XS91YS	
												to PI87SF 0.744 based on Silver Creek Monitoring Project Final Report. -kk	
												Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
	1	35242	5	N	BELLS CREEK	KV50NU	0.101	39N	05E	28	Temperature	Water	
					Lummi Nation unpublished data at station LNT-2483 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 17.5 degrees C from continuous measurements collected in 1996.								
	1	8629	5	Y	BERTRAND CREEK	MI36KN	7.851	40N	03E	07	Ammonia-N	Water	
					Dickes, 1992 , 2 excursions beyond the criterion at station B8E on 3/10/92 and 3/17/92.								
	1	42447	5	N	BERTRAND CREEK	VL90RG	12.278	41N	02E	35	Fecal Coliform	Water	
					Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station BH shows the following: 6 of 25 samples (24.0%) exceeded the percentile criterion in 2002; 3 of 19 samples (15.8%) exceeded the percentile criterion in 2003.								
	1	42448	5	N	BERTRAND CREEK	VL90RG	9.932	40N	02E	12	Fecal Coliform	Water	
					Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station BJB shows the following: 6 of 19 samples (31.6%) exceeded the percentile criterion in 2002; 3 of 15 samples (20.0%) exceeded the percentile criterion in 2003; a geometric mean of 132.4 cfu/100mL from 5 samples collected in 2004 exceeded the criterion.								

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	39044	5	N	BLACK SLOUGH Whatcom Conservation District unpublished data from station ACME-16 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 159 cfu/100mL from 8 samples collected in 1999. Whatcom Conservation District unpublished data from station ACME-16 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 140 cfu/100mL from 2 samples collected in 1998. Northwest Indian College unpublished data from station NWIC-BSN (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 77 cfu/100mL from 16 samples collected in 1999.	GK86AU	2.012	38N	05E	20	Fecal Coliform		Water
1	39045	5	N	BLACK SLOUGH Whatcom Conservation District unpublished data from station ACME-15 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 216 cfu/100mL from 8 samples collected in 1999. Whatcom Conservation District unpublished data from station ACME-15 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 1739 cfu/100mL from 2 samples collected in 1998. Northwest Indian College unpublished data from station NWIC-BSH (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 128 cfu/100mL from 16 samples collected in 1999.	GK86AU	3.816	38N	05E	29	Fecal Coliform		Water
1	39264	5	N	BLACK SLOUGH Nooksack Indian Tribe unpublished data from station Nooksack-6 (submitted by Sue Blake of Whatcom County on 17 December 2002) show 5 excursions beyond the criterion from 17 measurements collected in 1995-1997.	GK86AU	2.012	38N	05E	20	pH	Low pH	Water
1	39060	5	N	CALIFORNIA CREEK Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station C3 shows the following: 4 of 23 samples (17.4%) exceeded the percentile criterion in 2002; 2 of 15 samples (13.3%) exceeded the percentile criterion in 2003. Northwest Indian College unpublished data from station NWIC-C3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 180 cfu/100mL from 36 samples collected in 1999. Northwest Indian College unpublished data from station NWIC-C3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 56 cfu/100mL from 4 samples collected in 1998.	TW03VG	5.502	40N	01E	27	Fecal Coliform		Water
1	7063	5	Y	CANYON CREEK Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station NF0035 (Lower Canyon Creek) shows between 6/20/2003 and 9/8/2003 there were 24 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 17.85 degrees Celcius for the 7-day period ending August 2, 2003. Data collected by the Lummi Nation Natural Resources Department (submitted by Leroy Deardorf on 10/29/97) show that 14% of the measurements exceeded the criterion in 7/96. Lummi Nation unpublished data at station LNT-2482 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 17.7 degrees C from continuous measurements collected in 1996.	CT23WH	0	40N	06E	35	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
1	7062	5	Y	CANYON LAKE CREEK	ND81CH	0.264	39N	05E	27	Temperature	Water	
				Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station MF0005 (Canyon Lake Creek) shows between 6/19/2003 and 9/20/2003 there were 46 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 21.14 °Celcius for the 7-day period ending August 3, 2003.								Listing ID 42107 (cat 5) was consolidated with this listing on 01/20/05. -kk
				U.S.Geological Survey data from NWIS database station 12208500 (Canyon Cr at Kulshan) shows 0 excursions beyond the criterion out of 1 samples collected between 01/93 - 10/00.								Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
				Nooksack Indian Tribe unpublished data from station Nooksack-12 (Canyon Lake Creek at Mosquito Lake Road) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1996.								
				Data collected by the Lummi Fisheries Department (submitted by Dan Neff on 5/10/93) show 31 excursions beyond the criterion between 7/27/92 and 9/4/92.								
1	7064	5	Y	CAVANAUGH CREEK	NS88FJ	0.536	36N	05E	01	Temperature	Water	
				Data collected by the Lummi Nation Natural Resources Department (submitted by Leroy Deardorf on 10/29/97) show that 10% of the measurements exceeded the criterion in 7/96.								Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
1	42112	5	N	CAVANAUGH CREEK	NS88FJ	0	37N	05E	35	Temperature	Water	
				Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0120 (Cavanaugh Creek) shows between 6/17/2003 and 9/10/2003 there were 4 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 16.19 °Celcius for the 7-day period ending August 2, 2003.								
1	38957	5	N	CEMETERY CREEK	KL00LG	0	38N	03E	29	Dissolved oxygen	Water	
				City of Bellingham data from station COB-CEM1 (submitted by Sue Blake of Whatcom County on 17 December 2002) show no excursions beyond the criterion from measurements collected in 2001.								
				City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1990, 1991, 1992, 1993, 1994, 1995, 1996 and 1997.								

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	
				Basis					Remarks		
1	39061	5	N	CEMETERY CREEK	KL00LG	0	38N	03E	29	Fecal Coliform	Water
City of Bellingham data from station COB-CEM1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 23 cfu/100mL from 1 samples collected in 2001.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 154 cfu/100mL from 4 samples collected in 2000.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 690 cfu/100mL from 5 samples collected in 1999.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 158 cfu/100mL from 5 samples collected in 1998.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 51 cfu/100mL from 6 samples collected in 1997.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 179 cfu/100mL from 9 samples collected in 1996.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 85 cfu/100mL from 12 samples collected in 1995.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 84 cfu/100mL from 12 samples collected in 1994.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 310 cfu/100mL from 12 samples collected in 1993.											
City of Bellingham data from station COB-CEM3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 154 cfu/100mL from 10 samples collected in 1992.											
Serdar et al. (1999) station LWHCEMCR (CEMETERY CREEK) shows the geometric mean of 6797 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 2 samples collected during 1998.											
1	39178	5	N	CEMETERY CREEK	KL00LG	0	38N	03E	29	Temperature	Water
City of Bellingham data from station COB-CEM3 (Cemetery Creek at Whatcom Creek) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1990, 1996 and 1998.											
City of Bellingham data from station COB-CEM1 (Cemetery Creek Near Haskell Business Park) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 2001.											
Serdar (1994) station LWHCEMCR (CEMETERY CREEK) shows 0 excursions beyond the criterion out of 2 samples collected between 06/98 - 01/99.											
1	38959	5	N	CHUCKANUT CREEK	PB98VA	0	37N	02E	13	Dissolved oxygen	Water
City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994, 1995 and 1996.											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
1	39064	5	N	CHUCKANUT CREEK	PB98VA	0.748	37N	03E	18	Fecal Coliform		Water
				City of Bellingham data from station COB-CHU1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 163 cfu/100mL from 9 samples collected in 1994.								
				City of Bellingham data from station COB-CHU1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 127 cfu/100mL from 11 samples collected in 1993.								
1	39065	5	N	CHUCKANUT CREEK	PB98VA	0	37N	02E	13	Fecal Coliform		Water
				City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 41 cfu/100mL from 1 samples collected in 2001.								
				City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 84 cfu/100mL from 4 samples collected in 2000.								
				City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 194 cfu/100mL from 5 samples collected in 1999.								
				City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 100 cfu/100mL from 4 samples collected in 1998.								
				City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 37 cfu/100mL from 5 samples collected in 1997.								
				City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 121 cfu/100mL from 9 samples collected in 1996.								
				City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 54 cfu/100mL from 12 samples collected in 1995.								
				City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 259 cfu/100mL from 12 samples collected in 1994.								
				City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 184 cfu/100mL from 12 samples collected in 1993.								
				City of Bellingham data from station COB-CHU2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 122 cfu/100mL from 12 samples collected in 1992.								
				City of Bellingham data from station COB-CHU3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 71 cfu/100mL from 3 samples collected in 1993.								
1	6606	5	Y	CLEARBROOK CREEK	CT99ZQ	0	40N	04E	05	Fecal Coliform		Water
				Dickes and Merrill, 1990. 6 excursions beyond the upper criterion at station CB (at Clearbrook Ditch RM 0.2) in 1988 and 1989.							Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	6634	5	Y	CLEARBROOK CREEK Dickes, 1992. 4 excursions beyond the criterion collected at a station on Clearbrook Ditch, West of Nooksack Road in 1992.	CT99ZQ	0.126	40N	04E	08	Fecal Coliform		Water
1	38960	5	N	CONNELLY CREEK City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994, 1995, 1996 and 2000.	II81TD	0.302	37N	03E	06	Dissolved oxygen		Water

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				Basis								
1	39068	5	N	CONNELLY CREEK	II81TD	0.302	37N	03E	06	Fecal Coliform		Water
City of Bellingham data from station COB-CON4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 200 cfu/100mL from 1 samples collected in 1992.												
City of Bellingham data from station COB-CON5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 788 cfu/100mL from 9 samples collected in 1994.												
City of Bellingham data from station COB-CON5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 100 cfu/100mL from 1 samples collected in 1992.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 128 cfu/100mL from 1 samples collected in 2001.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 194 cfu/100mL from 4 samples collected in 2000.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 312 cfu/100mL from 5 samples collected in 1999.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 247 cfu/100mL from 5 samples collected in 1998.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 81 cfu/100mL from 5 samples collected in 1997.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 132 cfu/100mL from 9 samples collected in 1996.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 145 cfu/100mL from 12 samples collected in 1995.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 701 cfu/100mL from 12 samples collected in 1994.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 745 cfu/100mL from 12 samples collected in 1993.												
City of Bellingham data from station COB-CON6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 247 cfu/100mL from 11 samples collected in 1992.												
City of Bellingham data from station COB-CON8 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 758 cfu/100mL from 9 samples collected in 1994.												
City of Bellingham data from station COB-CON9 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 1378 cfu/100mL from 12 samples collected in 1993.												
City of Bellingham data from station COB-CON10 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 1667 cfu/100mL from 12 samples collected in 1993.												

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1	39181	5	N	CONNELLY CREEK	II81TD	0.302	37N	03E	06	Temperature		Water
City of Bellingham data from station COB-CON6 (Connelly Creek Donovan) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1996, 1997, and 1998.												
1	7066	5	Y	CORNELL CREEK	RQ36PH	0	39N	06E	01	Temperature		Water
Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station NF0040 (Cornell Creek) shows between 6/20/2003 and 9/8/2003 there were 45 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 18.75 °Celcius for the 7-day period ending August 2, 2003.												
Nooksack Indian Tribe unpublished data from station Nooksack-18 (Cornell Creek at Mount Baker Highway Bridge) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1996.												
Data collected by the Lummi Fisheries Department (submitted by Dan Neff on 5/10/93) show 32 excursions beyond the criterion between 7/30/92 and 8/30/92.												
1	39077	5	N	DAKOTA (REBEL) CREEK	PN37OM	4.81	40N	01E	15	Fecal Coliform		Water
Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station DG shows the following: 4 of 19 samples (21.1%) exceeded the percentile criterion in 2003.											Changed from Category 1 to Category 5 due to consolidation with Listing ID 42453 on 01/10/05. -kk	
criteria.	Northwest Indian College unpublished data from station NWIC-DG (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 131 cfu/100mL from 37 samples collected in 1999.											
	Per 2002 calendar year NWIC data provided by S Hood (BFO/ECY) Geometric Mean and 90th percentile meet											
Northwest Indian College unpublished data from station NWIC-DG (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 78 cfu/100mL from 3 samples collected in 1998.												
1	8622	5	Y	DEER CREEK	DR81WH	2.682	39N	02E	26	Ammonia-N		Water
Tetra Tech, 1989. , 2 excursions beyond the criterion on 10/20/88 and 11/30/88 at station 8 on Aldrich Road.											Reference is not in the administrative record. The water segment was listed as Category 5 based on the 1998 assessment.	
1	42454	5	N	DEER CREEK	DR81WH	0	39N	02E	28	Fecal Coliform		Water
Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station DRC shows the following: a geometric mean of 108.6 cfu/100mL from 21 samples collected in 2002 exceeded the criterion, and 10 of 21 samples (47.6%) exceeded the percentile criterion; 6 of 19 samples (31.6%) exceeded the percentile criterion in 2003; 2 of 8 samples (25.0%) exceeded the percentile criterion in 2004.												
1	7071	5	Y	DEER CREEK	DR81WH	0.926	39N	02E	27	pH		Water
Tetra Tech, 1989. , 3 excursions beyond the criterion out of 10 samples (30%) in 1988 and 1989 at station 9 on Wiser Lake Road..											Low pH	
1	7074	5	Y	DEER CREEK	DR81WH	2.682	39N	02E	26	pH		Water
Tetra Tech, 1989. , 6 excursions beyond the criterion out of 10 samples (60%) in 1988 and 1989 at station 8 on Aldrich Road..											Low pH	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
1	39048	5	N	DRAYTON HARBOR	390KRD	48122J7J5	48.995	122.755	Fecal Coliform		Water
<p>Port of Bellingham unpublished data from station POB-F (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 126 cfu/100mL from 4 samples collected in 1997.</p>											
<p>Port of Bellingham unpublished data from station POB-F (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 28 cfu/100mL from 12 samples collected in 1998.</p>											
<p>Port of Bellingham unpublished data from station POB-F (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 22 cfu/100mL from 16 samples collected in 1999.</p>											
<p>Port of Bellingham unpublished data from station POB-F (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 17 cfu/100mL from 2 samples collected in 2000.</p>											
<p>Port of Bellingham unpublished data from station POB-D (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 85 cfu/100mL from 6 samples collected in 1997.</p>											
<p>Port of Bellingham unpublished data from station POB-D (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 106 cfu/100mL from 22 samples collected in 1998.</p>											
<p>Port of Bellingham unpublished data from station POB-D (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 47 cfu/100mL from 24 samples collected in 1999.</p>											
<p>Port of Bellingham unpublished data from station POB-D (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 145 cfu/100mL from 2 samples collected in 2000.</p>											
<p>Port of Bellingham unpublished data from station POB-G (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 54 cfu/100mL from 4 samples collected in 1997.</p>											
<p>Port of Bellingham unpublished data from station POB-G (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 26 cfu/100mL from 12 samples collected in 1998.</p>											
<p>Port of Bellingham unpublished data from station POB-G (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 10 cfu/100mL from 16 samples collected in 1999.</p>											
<p>Port of Bellingham unpublished data from station POB-G (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 19 cfu/100mL from 2 samples collected in 2000.</p>											
<p>Port of Bellingham unpublished data from station POB-H (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 48 cfu/100mL from 3 samples collected in 1997.</p>											
<p>Port of Bellingham unpublished data from station POB-H (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 46 cfu/100mL from 10 samples collected in 1998.</p>											
<p>Port of Bellingham unpublished data from station POB-H (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 11 cfu/100mL from 14 samples collected in 1999.</p>											
<p>Port of Bellingham unpublished data from station POB-H (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 12 cfu/100mL from 2 samples collected in 2000.</p>											
<p>Port of Bellingham unpublished data from station POB-I (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 45 cfu/100mL from 3 samples collected in 1997.</p>											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information	Parameter	Remarks	Medium
				Basis				
				Port of Bellingham unpublished data from station POB-I (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 52 cfu/100mL from 10 samples collected in 1998.				
				Port of Bellingham unpublished data from station POB-I (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 21 cfu/100mL from 14 samples collected in 1999.				
				Port of Bellingham unpublished data from station POB-I (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 43 cfu/100mL from 2 samples collected in 2000.				

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
1	39052	5	N	DRAYTON HARBOR	390KRD	48122J7J6	48.995	122.765	Fecal Coliform		Water
<p>Port of Bellingham unpublished data from station POB-A (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 143 cfu/100mL from 22 samples collected in 1998.</p>											
<p>Port of Bellingham unpublished data from station POB-A (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 140 cfu/100mL from 6 samples collected in 1997.</p>											
<p>Port of Bellingham unpublished data from station POB-A (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 120 cfu/100mL from 24 samples collected in 1999.</p>											
<p>Port of Bellingham unpublished data from station POB-A (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 79 cfu/100mL from 2 samples collected in 2000.</p>											
<p>Port of Bellingham unpublished data from station POB-B (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 121 cfu/100mL from 6 samples collected in 1997.</p>											
<p>Port of Bellingham unpublished data from station POB-B (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 169 cfu/100mL from 22 samples collected in 1998.</p>											
<p>Port of Bellingham unpublished data from station POB-B (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 111 cfu/100mL from 24 samples collected in 1999.</p>											
<p>Port of Bellingham unpublished data from station POB-B (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 86 cfu/100mL from 2 samples collected in 2000.</p>											
<p>Port of Bellingham unpublished data from station POB-C (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 97 cfu/100mL from 6 samples collected in 1997.</p>											
<p>Port of Bellingham unpublished data from station POB-C (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 127 cfu/100mL from 22 samples collected in 1998.</p>											
<p>Port of Bellingham unpublished data from station POB-C (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 124 cfu/100mL from 24 samples collected in 1999.</p>											
<p>Port of Bellingham unpublished data from station POB-C (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 63 cfu/100mL from 2 samples collected in 2000.</p>											
<p>Port of Bellingham unpublished data from station POB-E (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 156 cfu/100mL from 6 samples collected in 1997.</p>											
<p>Port of Bellingham unpublished data from station POB-E (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 169 cfu/100mL from 22 samples collected in 1998.</p>											
<p>Port of Bellingham unpublished data from station POB-E (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 90 cfu/100mL from 24 samples collected in 1999.</p>											
<p>Port of Bellingham unpublished data from station POB-E (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 33 cfu/100mL from 2 samples collected in 2000.</p>											
<p>Port of Bellingham unpublished data from station POB-J (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 15 cfu/100mL from 12 samples collected in 1999.</p>											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
				Port of Bellingham unpublished data from station POB-J (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 51 cfu/100mL from 2 samples collected in 2000.							
1	35238	5	N	EDFRO CREEK	MQ30LJ	0	37N	05E	26	Temperature	Water
				Lummi Nation unpublished data at station LNT-2478 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 16.2 degrees C from continuous measurements collected in 1996.							
1	9101	5	N	FEVER CREEK	HI36SL	0	38N	03E	29	Copper	Water
				Serdar, et al. 1999. Station LWHFEVR1 (FEVER CREEK CULVERT) shows 2 excursions beyond the criterion out of 2 samples collected between 06/98 - 01/99.							
				Serdar, et al. 1999. Show 2 excursions beyond the chronic criterion out of 3 samples collected at station LWHFEVR1 (FEVER CREEK CULVERT TERMINUS AT MOUTH) in 1998.							
1	38963	5	N	FEVER CREEK	HI36SL	1.905	38N	03E	21	Dissolved oxygen	Water
				City of Bellingham unpublished data from station COB-FEV1 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994 and 1995 and 1996.							
1	38964	5	N	FEVER CREEK	HI36SL	0	38N	03E	29	Dissolved oxygen	Water
				City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994, 1995, 1996, and 1998.							
1	39089	5	N	FEVER CREEK	HI36SL	1.905	38N	03E	21	Fecal Coliform	Water
				City of Bellingham data from station COB-FEV1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 207 cfu/100mL from 6 samples collected in 1996.							
				City of Bellingham data from station COB-FEV1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 162 cfu/100mL from 11 samples collected in 1995.							
				City of Bellingham data from station COB-FEV1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 194 cfu/100mL from 8 samples collected in 1994.							

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
1	39090	5	N	FEVER CREEK	HI36SL	0	38N	03E	29	Fecal Coliform	Water	
				City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 145 cfu/100mL from 1 samples collected in 2001.								
				City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 644 cfu/100mL from 4 samples collected in 2000.								
				City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 587 cfu/100mL from 5 samples collected in 1999.								
				City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 195 cfu/100mL from 4 samples collected in 1998.								
				City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 238 cfu/100mL from 5 samples collected in 1997.								
				City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 379 cfu/100mL from 9 samples collected in 1996.								
				City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 123 cfu/100mL from 11 samples collected in 1995.								
				City of Bellingham data from station COB-FEV2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 361 cfu/100mL from 9 samples collected in 1994.								
				Serdar et al. (1999) station LWHFEVR1 (FEVER CREEK CULVERT) shows the geometric mean of 5492 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 2 samples collected during 1998.								
1	12961	5	N	FEVER CREEK	HI36SL	0	38N	03E	29	Pentachlorophenol	Water	
				Serdar, et al. 1999. show no excursions beyond the chronic criterion out of 3 samples collected at station LWHFEVR1 (FEVER CREEK CULVERT TERMINUS AT MOUTH) in 1998. Discharge monitoring data collected by Brooks Lumber Company (submitted by Steve Hood, BFO, on 13 December 2002) show 26 excursions beyond the criterion from 26 samples collected in 2001.								
1	39185	5	N	FEVER CREEK	HI36SL	0	38N	03E	29	Temperature	Water	
				City of Bellingham unpublished data from station COB-FEV2 (Fever Creek at Valencia) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1994, 1997, and 1998.								
				Serdar et al. 1999 station LWHFEVR1 (FEVER CREEK CULVERT) shows 0 excursions beyond the criterion out of 2 samples collected between 06/98 - 01/99.								

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	9106	5	N	FEVER CREEK Serdar et al. 1999 station LWHFEVR1 (FEVER CREEK CULVERT) shows 2 excursions beyond the criterion out of 2 samples collected between 06/98 - 01/99. Serdar, et al. 1999. show 3 excursions beyond the chronic criterion out of 3 samples collected at station LWHFEVR1 (FEVER CREEK CULVERT TERMINUS AT MOUTH) in 1998.	HI36SL	0	38N	03E	29	Zinc		Water
1	37811	5	N	FISHTRAP CREEK U.S. Geological Survey unpublished data at station 12212100 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 18.03 degrees C from continuous measurements collected in 1996. U.S. Geological Survey unpublished data at station 12212100 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 17.07 degrees C from continuous measurements collected in 1997. U.S.Geological Survey data from NWIS database station 12212100 (Fishtrap Cr at Flynn rd at Lynden) shows 1 excursions beyond the criterion out of 44 samples collected between 01/93 - 10/00.	RN53NC	1.836	40N	02E	25	Temperature		Water
1	7077	5	Y	GALLOP CREEK Data collected by the Lummi Fisheries Department (submitted by Dan Neff on 5/10/93) show 26 excursions beyond the criterion between 7/30/92 and 8/30/92.	EO08VO	0	39N	07E	06	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water
1	37815	5	N	HARDSCRABBLE CREEK Whatcom Conservation District unpublished data at station ACME-C (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 18.3 degrees C from continuous measurements collected in 1998.	NQ44RI	0.738	38N	04E	25	Temperature		Water
1	7079	5	Y	HOFF CREEK Caldwell, et al. 1991, Numerous excursions beyond the criterion at 4 different locations in 1990.	CN61ZA	0	39N	04E	22	Temperature	The daily maximum excursions are for one year only and do not meet the WQ Program Policy 1-11 (updated 9/02) for showing persistent temperature impairment. Listing will be placed in waters of concern category until further study and monitoring indicates the status of the water.	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	6233	5	Y	HOWARD CREEK The following reference documents habitat alterations: Schuett-Hames, 1988b, mean value of 15.24% in 1984 The following references document impairment of characteristic uses: Doughty, 1987, documented decline in Chinook stock The following references document human-caused contribution of sediment: Benda, 1993 Gowen, 1989 PEAK NW, 1986a PEAK NW, 1986b.	AN73PN	0	36N	06E	13	Fine Sediment		Water
1	7080	5	Y	HOWARD CREEK Data collected by the Lummi Nation Natural Resources Department (submitted by Leroy Deardorf on 10/29/97) show that 14% of the measurements exceeded the criterion in 7/96. Lummi Nation unpublished data at station LNT-2477 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 17.6 degrees C from continuous measurements collected in 1996.	AN73PN	0	36N	06E	13	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water
1	7091	5	Y	KAMM (STICKNEY) SLOUGH Tetra Tech, 1989, 6 excursions beyond the criterion at RM 0.6 between 10/88 and 9/89.; Mathews, et al. 1994, 20 excursions at Site 25 (RM 0.6) in 1994.; Mathews, et al. 1995, 20 excursions at Site 25 (RM 0.6) in 1995.;	LS95QH	1.096	40N	03E	21	Dissolved oxygen		Water
1	7107	5	Y	KAMM (STICKNEY) SLOUGH Mathews, et al. 1995, 17 excursions at Northwood Road (RM 0.5) in 1995. Mathews, et al. 1994, 19 excursions at Northwood Road (RM 0.5) in 1994. U.S.Geological Survey data from NWIS database station 12211400 (Kamm Cr. (Morman ditch) at Lynden) shows 1 excursions beyond the criterion out of 1 samples collected between 01/93 - 10/00. Western Washington University unpublished data from station WWU-27 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1993-1998. Tetra Tech, 1989, 10 excursions beyond the criterion at RM 0.5 between 11/88 and 9/89.	LS95QH	3.195	40N	03E	22	Dissolved oxygen	Name administratively changed from MORMON DITCH to KAMM (STICKNEY) SLOUGH, preferred name is SLOUGH. -kk	Water
1	7092	5	Y	KAMM (STICKNEY) SLOUGH Mathews, et al. 1995, 16 excursions out of 26 samples (61%) beyond the criterion at Site 25 (RM 0.6) in 1995.;	LS95QH	1.096	40N	03E	21	pH	Low pH	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
STICKNEY	1	7108	5	Y	KAMM (STICKNEY) SLOUGH	LS95QH	3.195	40N	03E	22	pH	Water
	U.S.Geological Survey data from NWIS database station 12211400 (Kamm Cr. (Morman ditch) at Lynden) shows 1 excursions beyond the criterion out of 1 samples collected between 01/93 - 10/00.											Name administratively changed from MORMON DITCH to KAMM (STICKNEY) SLOUGH, preferred name is
	Western Washington University unpublished data from station WWU-27 (submitted by Sue Blake of Whatcom County on 17 December 2002) show 53 excursions beyond the criterion from 123 measurements collected in 1993-1998.											SLOUGH. -kk
	Mathews, et al. 1996, 21 excursions out of 26 samples (81%) beyond the criterion at Northwood Road (RM 0.5) in 1994.											Low pH
to	1	7104	5	Y	KAMM CREEK	AC76JK	0.46	40N	03E	15	Dissolved oxygen	Water
	Western Washington University unpublished data from station WWU-23 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1993-1998.											Administrative name change from KAMM (STICKNEY) SLOUGH to KAMM CREEK 01/24/05. -kk
	Western Washington University unpublished data from station WWU-24 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994-1998.											During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues
	Mathews, et al. 1995, 15 excursions out of 26 samples (58%) beyond the criterion at Site 24 (RM 2.5) in 1995.											
	Mathews, et al. 1994, 10 excursions out of 22 samples (45%) beyond the criterion at Site 24 (RM 2.5) in 1994.											
	Mathews, et al. 1995, 4 excursions out of 26 samples (15%) beyond the criterion at Site 23 (RM 3.1) in 1995.											be impaired. (Braley, ECY/WQP, 2003)
Mathews, et al. 1994, 9 excursions out of 22 samples (41%) beyond the criterion at Site 23 (RM 3.1) in 1994.												
	1	38975	5	N	KAMM CREEK	AC76JK	2.59	40N	03E	14	Dissolved oxygen	Water
Western Washington University unpublished data from station WWU-26 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994-1997.												
	1	38978	5	N	KAMM CREEK	LS95QH	0.09	40N	03E	20	Dissolved oxygen	Water
Western Washington University unpublished data from station WWU-25 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1993-1998.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	7098	5	Y	KAMM CREEK Western Washington University unpublished data from station WWU-24 (submitted by Sue Blake of Whatcom County on 17 December 2002) show 37 excursions beyond the criterion from 104 measurements collected in 1993-1998. Western Washington University unpublished data from station WWU-23 (submitted by Sue Blake of Whatcom County on 17 December 2002) show 46 excursions beyond the criterion from 124 measurements collected in 1993-1998. Mathews, et al. 1995, 18 excursions out of 26 samples (69%) beyond the criterion at Site 23 (RM 3.1) in 1995. Mathews, et al. 1994, 5 excursions out of 22 samples (23%) beyond the criterion at Site 24 (RM 2.5) in 1994. Mathews, et al. 1995, 17 excursions out of 26 samples (65%) beyond the criterion at Site 24 (RM 2.5) in 1995. U.S.Geological Survey data from NWIS database station 12211390 (Kamm (Stickney) Slough @ Kamm rd. nr Lynden) shows 0 excursions beyond the criterion out of 1 samples collected between 01/93 - 10/00.	AC76JK	0.46	40N	03E	15	pH	Administrative name change from KAMM (STICKNEY) SLOUGH to KAMM CREEK 01/24/05. -kk Low pH	Water
1	39282	5	N	KAMM CREEK Western Washington University unpublished data from station WWU-26 (submitted by Sue Blake of Whatcom County on 17 December 2002) show 31 excursions beyond the criterion from 105 measurements collected in 1993-1998.	AC76JK	2.59	40N	03E	14	pH	Low pH	Water
1	39285	5	N	KAMM CREEK Western Washington University unpublished data from station WWU-25 (submitted by Sue Blake of Whatcom County on 17 December 2002) show 30 excursions beyond the criterion from 123 measurements collected in 1993-1998.	LS95QH	0.09	40N	03E	20	pH	Low pH	Water
1	42099	5	N	KENDALL CREEK Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station NF0020 (Kendall Creek) shows between 6/20/2003 and 9/8/2003 there were 31 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 19.12 °Celcius for the 7-day period ending July 16, 2003.	FO80GQ	0.482	39N	05E	03	Temperature		Water
1	35243	5	N	KENNEY CREEK Lummi Nation unpublished data at station LNT-2484 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 16.7 degrees C from continuous measurements collected in 1996.	FD96YP	0	39N	05E	22	Temperature		Water
1	38981	5	N	LINCOLN CREEK City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1990, 1991, 1994, 1995, 1996, 1997, and 1998. City of Bellingham data from station COB-LIN3 (submitted by Sue Blake of Whatcom County on 17 December 2002) show no excursions beyond the criterion from measurements collected in 2001. City of Bellingham data from station COB-LIN2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show no excursions beyond the criterion from measurements collected in 2000.	GZ41HO	0	38N	03E	29	Dissolved oxygen		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Remarks	Medium
				Basis							
1	39112	5	N	LINCOLN CREEK	GZ41HO	0	38N	03E	29	Fecal Coliform	Water
City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 182 cfu/100mL from 5 samples collected in 1999.											
City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 145 cfu/100mL from 5 samples collected in 1998.											
City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 27 cfu/100mL from 5 samples collected in 1997.											
City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 111 cfu/100mL from 9 samples collected in 1996.											
City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 103 cfu/100mL from 12 samples collected in 1995.											
City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 37 cfu/100mL from 12 samples collected in 1994.											
City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 148 cfu/100mL from 11 samples collected in 1993.											
City of Bellingham data from station COB-LIN5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 172 cfu/100mL from 11 samples collected in 1992.											
City of Bellingham data from station COB-LIN4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 177 cfu/100mL from 2 samples collected in 1994.											
City of Bellingham data from station COB-LIN4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 180 cfu/100mL from 11 samples collected in 1993.											
City of Bellingham data from station COB-LIN4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 298 cfu/100mL from 10 samples collected in 1992.											
City of Bellingham data from station COB-LIN3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 84 cfu/100mL from 1 samples collected in 2001.											
City of Bellingham data from station COB-LIN2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 93 cfu/100mL from 4 samples collected in 2000.											

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
1	39202	5	N	LINCOLN CREEK	GZ41HO	0	38N	03E	29	Temperature		Water
				City of Bellingham data from station COB-LIN5 (Lincoln Creek at Whatcom Creek) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1995, 1996 and 1998.								
				City of Bellingham data from station COB-LIN3 (Lincoln Creek Near Haskell Business Park) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 2001.								
				City of Bellingham data from station COB-LIN2 (Lincoln Creek at Fraser) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 2000.								
1	7106	5	Y	LUMMI RIVER	YI44ML	6.184	39N	02E	31	Fecal Coliform		Water
				Deardorff, 1994, shows a geometric mean of 1958 cfu/100mL from 8 samples collected at RM 4.0 (just upstream of the reservation boundary) during 1994.								
1	6234	5	Y	NOOKSACK RIVER	OS27OC	31.722	39N	07E	03	Fine Sediment		Water
				The following references document habitat alterations: Schuett-Hames, 1984a and Schuett-Hames, 1988b,(same data), 14% in 1983 The following references document impairment of characteristic uses: Doughty, 1987, documented decline in Chinook stock SASSI, 1993, Chinook stock listed as critical. The following references document human-caused contribution of sediment: Benda, 1993 Gowen, 1989 PEAK NW, 1986a PEAK NW, 1986b								
1	36849	5	N	NOOKSACK RIVER	ZA83VD	8.091	39N	02E	31	Temperature		Water
				Lummi Nation unpublished data at station LNT-2487 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 18.1 degrees C from continuous measurements collected in 1996.								
1	37812	5	N	NOOKSACK RIVER	ZA83VD	4.334	38N	02E	05	Temperature		Water
				U.S. Geological Survey unpublished data at station 12213140 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 18.07 degrees C from continuous measurements collected in 1996. U.S. Geological Survey unpublished data at station 12213140 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 16.94 degrees C from continuous measurements collected in 1997.								
				U.S.Geological Survey data from NWIS database station 12213140 (Nooksack R. At Brennan) shows 0 excursions beyond the criterion out of 40 samples collected between 01/93 - 10/00.								
				Joy (2000) station RM3R (Nooksack River RM3R) shows 0 excursions beyond the criterion out of 1 samples collected between 02/97 - 02/98.								
				Joy (2000) station RM3.5 (Nooksack River RM3.5) shows 0 excursions beyond the criterion out of 1 samples collected between 02/97 - 02/98.								
				Joy (2000) station RM2.5 (Nooksack River RM2.5) shows 0 excursions beyond the criterion out of 1 samples collected between 02/97 - 02/98.								

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	35237	5	N	NOOKSACK RIVER, M.F. City of Bellingham unpublished data at station COB-WELCONECTR (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 16.4 degrees C from continuous measurements collected in 1998. City of Bellingham unpublished data at station COB-WELCONECTR (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 15.0 degrees C from continuous measurements collected in 2000.	UL53CF	0.991	39N	05E	34	Temperature		Water
1	35240	5	N	NOOKSACK RIVER, M.F. Lummi Nation unpublished data at station LNT-2480 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 16.9 degrees C from continuous measurements collected in 1996.	UL53CF	2.468	39N	05E	34	Temperature		Water
1	6230	5	Y	NOOKSACK RIVER, S.F. The following reference documents habitat alterations: Schuett-Hames, 1984a, 10.7% in 1982 Schuett-Hames, 1988b, mean value 11.7% from 1982-1987 The following references document impairment of characteristic uses: Doughty, 1987, documented decline in Chinook stock SASSI, 1993, Chinook stock listed as critical. The following references document human-caused contribution of sediment: Benda, 1993 CES, 1993 Gowen, 1989 PEAK NW, 1986a PEAK NW, 1986b	CQ54VT	34.205	36N	06E	20	Fine Sediment		Water
1	7112	5	Y	NOOKSACK RIVER, S.F. Data collected by the Lummi Nation Natural Resources Department (submitted by Leroy Deardorf on 10/29/97) show that 35% of the measurements exceeded the criterion in 7/96.	CQ54VT	1.011	38N	05E	07	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water
1	7113	5	Y	NOOKSACK RIVER, S.F. Data submitted by Dan Neff of the Lummi Fisheries Department show 29 excursions beyond the criterion between 7/28/92 and 8/30/92.	CQ54VT	27.801	36N	05E	12	Temperature	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	Water
1	35244	5	N	NOOKSACK RIVER, S.F. Lummi Nation unpublished data at station LNT-2485 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 17.9 degrees C from continuous measurements collected in 1996.	CQ54VT	53.267	36N	07E	03	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	35246	5	N	NOOKSACK RIVER, S.F. Lummi Nation unpublished data at station LNT-2490 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 20.9 degrees C from continuous measurements collected in 1996.	CQ54VT	31.202	36N	06E	18	Temperature		Water
1	36838	5	N	NOOKSACK RIVER, S.F. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0085 (South Fork Nooksack above Hutchinson) shows between 6/14/2003 and 9/17/2003 there were 7 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 19.0 degrees Celcius for the 7-day period ending September 3, 2003. Whatcom Conservation District unpublished data at station ACME-I (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 21.9 degrees C from continuous measurements collected in 1998.	CQ54VT	14.986	37N	05E	09	Temperature		Water
1	36839	5	N	NOOKSACK RIVER, S.F. Whatcom Conservation District unpublished data at station ACME-J (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 21.5 degrees C from continuous measurements collected in 1998.	CQ54VT	8.768	38N	05E	31	Temperature		Water
1	36840	5	N	NOOKSACK RIVER, S.F. Whatcom Conservation District unpublished data at station ACME-L (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 21.3 degrees C from continuous measurements collected in 1998. Nooksack Indian Tribe unpublished data from station Nooksack-8 (South Fork Nooksack River at Potter Bridge) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 1995- 1997. Whatcom Conservation District unpublished data from station ACME-18 (South Fork Nooksack River (L)) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1998. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01F070 (SF Nooksack @ Potter Rd) shows 0 excursions beyond the criterion out of 12 samples collected between 1993 - 2001	CQ54VT	3.061	38N	05E	17	Temperature		Water
1	36846	5	N	NOOKSACK RIVER, S.F. Lummi Nation unpublished data at station LNT-2475 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 20.7 degrees C from continuous measurements collected in 1996.	CQ54VT	1.848	38N	05E	08	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	39232	5	N	NOOKSACK RIVER, S.F. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0098 (South Fork Nooksack @ Saxon Bridge) shows between 6/7/2003 and 9/10/2003 there were 56 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 23.05 degrees Celcius for the 7-day period ending August 1, 2003. Utah State University unpublished data from station USU-5 (South Fork Nooksack River) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 2000. Nooksack Indian Tribe unpublished data from station Nooksack-3 (South Fork Nooksack River at Saxon Bridge) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 1995- 1997.	CQ54VT	17.786	37N	05E	21	Temperature		Water
1	42100	5	N	NOOKSACK RIVER, S.F. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0025 (South Fork Nooksack Above Todd Water) shows between 6/19/2003 and 9/7/2003 there were 61 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 22.62 °Celcius for the 7-day period ending August 1, 2003.	CQ54VT	5.176	38N	05E	19	Temperature		Water
1	42101	5	N	NOOKSACK RIVER, S.F. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0045 (South Fork Nooksack (RM 5.5)) shows between 6/18/2003 and 9/17/2003 there were 64 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 22.82 °Celcius for the 7-day period ending August 1, 2003.	CQ54VT	6.927	38N	05E	30	Temperature		Water
1	42103	5	N	NOOKSACK RIVER, S.F. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0070 (South Fork Nooksack @ Rothenbueler Road) shows between 6/17/2003 and 9/10/2003 there were 64 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 23.14 °Celcius for the 7-day period ending August 1, 2003. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0065 (Landing Strip Creek) shows between 6/18/2003 and 9/17/2003 there were 64 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 23.08 °Celcius for the 7-day period ending August 1, 2003.	CQ54VT	13.013	37N	05E	08	Temperature		Water
1	42105	5	N	NOOKSACK RIVER, S.F. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0090 (South Fork (RM 11.5)) shows between 6/18/2003 and 9/10/2003 there were 61 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 22.03 °Celcius for the 7-day period ending August 1, 2003.	CQ54VT	15.837	37N	05E	16	Temperature		Water
1	42111	5	N	NOOKSACK RIVER, S.F. Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0022 (South Fork Nooksack blw Todd Creek) shows in year 2003 there were 61 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 22.60 °Celcius for the 7-day period ending August 1, 2003.	CQ54VT	3.821	38N	05E	18	Temperature		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
1	39003	5	N	PADDEN CREEK	PB65NR	2.329	37N	03E	07	Dissolved oxygen		Water
				City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994, 1995 and 1996.								
				City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1996.								
1	39005	5	N	PADDEN CREEK	PB65NR	0	37N	02E	99	Dissolved oxygen		Water
				City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1991, 1994, 1995 and 1996.								

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
1	39128	5	N	PADDEN CREEK	PB65NR	2.329	37N	03E	07	Fecal Coliform		Water
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 11 cfu/100mL from 4 samples collected in 2000.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 117 cfu/100mL from 5 samples collected in 1999.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 483 cfu/100mL from 4 samples collected in 1998.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 17 cfu/100mL from 5 samples collected in 1997.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 29 cfu/100mL from 9 samples collected in 1996.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 18 cfu/100mL from 12 samples collected in 1995.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 142 cfu/100mL from 12 samples collected in 1994.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 130 cfu/100mL from 12 samples collected in 1993.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 91 cfu/100mL from 12 samples collected in 1992.												
City of Bellingham data from station COB-PAD1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 2 cfu/100mL from 1 samples collected in 2001.												
City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 3 cfu/100mL from 1 samples collected in 2001.												
City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 4 cfu/100mL from 3 samples collected in 2000.												
City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 10 cfu/100mL from 5 samples collected in 1999.												
City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 22 cfu/100mL from 4 samples collected in 1998.												
City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 11 cfu/100mL from 4 samples collected in 1997.												
City of Bellingham data from station COB-PAD2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 4 cfu/100mL from 2 samples collected in 1996.												

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
1	39130	5	N	PADDEN CREEK	PB65NR	0.68	37N	02E	12	Fecal Coliform		Water
City of Bellingham data from station COB-PAD4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 513 cfu/100mL from 9 samples collected in 1994.												
City of Bellingham data from station COB-PAD5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 432 cfu/100mL from 11 samples collected in 1993.												
City of Bellingham data from station COB-PAD6 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 509 cfu/100mL from 11 samples collected in 1993.												
1	39133	5	N	PADDEN CREEK	PB65NR	0	37N	02E	99	Fecal Coliform		Water
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 220 cfu/100mL from 1 samples collected in 2001.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 20 cfu/100mL from 4 samples collected in 2000.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 305 cfu/100mL from 5 samples collected in 1999.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 176 cfu/100mL from 5 samples collected in 1998.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 146 cfu/100mL from 5 samples collected in 1997.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 487 cfu/100mL from 9 samples collected in 1996.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 293 cfu/100mL from 12 samples collected in 1995.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 417 cfu/100mL from 12 samples collected in 1994.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 435 cfu/100mL from 12 samples collected in 1993.												
City of Bellingham data from station COB-PAD7 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 243 cfu/100mL from 12 samples collected in 1992.												

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	39223	5	N	PADDEN CREEK City of Bellingham data from station COB-PAD1 (Padden Creek at 30th Street) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1992, 1994, 1995, and 1997. City of Bellingham data from station COB-PAD2 (Padden Creek at 38th Street) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1997. Seiders (2001) station PC-4 (PADDEN CR SAMPLING SITE #4) shows 0 excursions beyond the criterion out of 4 samples collected between 04/01 - 06/01.	PB65NR	2.329	37N	03E	07	Temperature		Water
1	17299	5	N	PADDEN LAKE Seiders, 2002. show the National Toxics Rule criterion was exceeded in fillet samples of Cutthroat trout collected in 2001.	758LBQ		37N	03E	08	Total PCBs		Tissue
1	42468	5	N	PANGBORN CREEK Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station PNG shows the following: 6 of 24 samples (25.0%) exceeded the percentile criterion in 2002; 6 of 19 samples (31.6%) exceeded the percentile criterion in 2003.	PJ69OE	0.059	40N	04E	05	Fecal Coliform		Water
1	42336	5	N	PLUMBAGO CREEK Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0130 (Plumbago Creek) shows between 6/18/2003 and 9/8/2003 there were 5 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 16.18 °Celcius for the 7-day period ending August 2, 2003. Lummi Nation unpublished data at station LNT-2473 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 16.2 degrees C from continuous measurements collected in 1996.	BO79NP	0.337	36N	05E	13	Temperature		Water
1	39226	5	N	PORTER CREEK Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station MF0040 (Lower Porter Creek) shows between 6/19/2003 and 7/20/2003 there were 6 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 16.84 °Celcius for the 7-day period ending July 20, 2003. Nooksack Indian Tribe unpublished data from station Nooksack-11 (Porter Creek at Mosquito Lake Road) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1996.	NT09YV	0	38N	05E	11	Temperature	Changed from Category 2 to Category 5 on 01/20/05 due to consolidation with Listing ID 42108 (cat 5). -kk	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
1	6228	5	Y	RACEHORSE CREEK The following references document habitat alterations: Schuett-Hames, 1984a, 19.7% in 1983. Schuett-Hames, 1988b, 17.8% in 1985. The following references document impairment of characteristic uses: Schuett-Hames, 1987, documented decline in Chinook stock Doughty, 1987, documented decline in Chinook stock. The following references document human-caused contribution of sediment: Benda, 1993 Gowen, 1989 PEAK NW, 1986a PEAK NW, 1986b.	HM16MY	0	39N	05E	10	Fine Sediment	Water
1	7118	5	Y	RACEHORSE CREEK Data collected by the Lummi Fisheries Department (submitted by Dan Neff on 5/10/93) show 32 excursions beyond the criterion between 7/24/92 and 9/4/92.	HM16MY	0	39N	05E	10	Temperature	Water
1	39227	5	N	RACEHORSE CREEK Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station NF0015 (Racehorse Creek) shows between 6/19/2003 and 9/8/2003 there were 14 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance during this period was 19.19 °Celcius for the 7-day period ending August 1, 2003. Nooksack Indian Tribe unpublished data from station Nooksack-22 (Racehorse Creek) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 1995- 1997.	HM16MY	1.471	39N	05E	11	Temperature	Water
1)	7119	5	Y	ROARING CREEK Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station SF0135 (Deer Creek) shows between 6/12/2003 and 9/8/2003 there were 40 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 18.34 °Celcius for the 7-day period ending August 1, 2003. Lummi Nation unpublished data at station LNT-2476 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 16.6 degrees C from continuous measurements collected in 1996. Data collected by the Lummi Nation Natural Resources Department (submitted by Leroy Deardorf on 10/29/97) show that 10% of the measurements exceeded the criterion in 7/96.	XP86DV	0	36N	06E	18	Temperature	Water
1	7120	5	Y	SILVER BEACH CREEK Matthews, et al. 1997. , 5 excursions beyond the upper criterion out of 6 samples (83%) at a station upstream of Northshore road culvert between 7/94 and 7/96.	TT37OY	0	38N	03E	22	Fecal Coliform	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
1	7127	5	Y	SILVER CREEK Western Washington University (1993), 21 excursions beyond the criterion out of 55 samples (38%) between 7/91 and 5/93 at Site 3 (RM 1.7). Joy (2000) station 01TSIL (SILVER CREEK AT MARINE DR.) shows 2 excursions beyond the criterion measured on these dates: 97/04/28, 97/04/30,	WO95OB	0.13	38N	02E	08	Dissolved oxygen	Water
1	7129	5	Y	SILVER CREEK Western Washington University (1993), 8 excursions beyond the criterion out of 55 samples (15%) between 7/91 and 5/93 at Site 5 (RM 3.0).	WO95OB	4.447	39N	02E	33	Dissolved oxygen	Water
1	7131	5	Y	SILVER CREEK Western Washington University (1993), 18 excursions beyond the upper criterion between 7/91 and 5/93 at Site 6 (RM 3.5).	WO95OB	5.016	39N	02E	34	Dissolved oxygen	Water
1	10518	5	Y	SILVER CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01B050 (Silver Cr nr Brennan) shows 5 excursions beyond the criterion out of 8 samples collected between 1993 - 2001 measured on these dates: 93/05/18, 93/06/22, 93/07/20, 93/08/17, 93/09/21, City of Bellingham data from station COB-SIL2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 2000.	WO95OB	2.592	38N	02E	04	Dissolved oxygen	Water During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues to be impaired. (Braley, ECY/WQP, 2003)
1	7128	5	Y	SILVER CREEK Western Washington University (1993), 9 excursions beyond the upper criterion between 7/91 and 5/93 at Site 3 (RM 1.7). Joy (2000) station 01TSIL (SILVER CREEK AT MARINE DR.) shows the geometric mean of 134 exceeds the criterion and that 25 % of the samples exceeds the percentile criterion from 4 samples collected during 1997.; ;	WO95OB	0.13	38N	02E	08	Fecal Coliform	Water Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
1	7130	5	Y	SILVER CREEK Western Washington University (1993), 18 excursions beyond the upper criterion between 7/91 and 5/93 at Site 5 (RM 3.0).	WO95OB	4.447	39N	02E	33	Fecal Coliform	Water Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.
1	16686	5	Y	SILVER CREEK Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01B050 (Silver Creek near Brennan) shows a geometric mean of 131 exceeds the criterion and that 25% of the samples exceeds the percentile criterion from 8 samples collected during 1993. City of Bellingham data from station COB-SIL2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 66 cfu/100mL from 2 samples collected in 2000.	WO95OB	2.592	38N	02E	04	Fecal Coliform	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	39019	5	N	SQUALICUM CREEK City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994, 1995, 1996, 1997, 1998, 1999, and 2000.	ZV66WA	7.387	38N	03E	09	Dissolved oxygen		Water
1	39020	5	N	SQUALICUM CREEK City of Bellingham data from station COB-SQA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1990, 1991, 1992, and 1993.	ZV66WA	6.058	38N	03E	16	Dissolved oxygen		Water
1	39021	5	N	SQUALICUM CREEK City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1990, 1991, 1994, 1995, 1996, 1997, 1998, and 1999.	ZV66WA	2.656	38N	03E	18	Dissolved oxygen		Water
1	39150	5	N	SQUALICUM CREEK City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 116 cfu/100mL from 1 samples collected in 2001. City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 105 cfu/100mL from 4 samples collected in 2000. City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 215 cfu/100mL from 5 samples collected in 1999. City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 151 cfu/100mL from 5 samples collected in 1998. City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 98 cfu/100mL from 5 samples collected in 1997. City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 159 cfu/100mL from 9 samples collected in 1996. City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 111 cfu/100mL from 12 samples collected in 1995. City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 321 cfu/100mL from 10 samples collected in 1994. City of Bellingham data from station COB-SQA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 110 cfu/100mL from 5 samples collected in 1992.	ZV66WA	7.387	38N	03E	09	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	39151	5	N	SQUALICUM CREEK City of Bellingham data from station COB-SQA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 119 cfu/100mL from 10 samples collected in 1993. City of Bellingham data from station COB-SQA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 101 cfu/100mL from 11 samples collected in 1992.	ZV66WA	6.058	38N	03E	16	Fecal Coliform		Water
1	39152	5	N	SQUALICUM CREEK City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 40 cfu/100mL from 1 samples collected in 2001. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 151 cfu/100mL from 4 samples collected in 2000. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 147 cfu/100mL from 5 samples collected in 1999. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 51 cfu/100mL from 4 samples collected in 1998. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 38 cfu/100mL from 5 samples collected in 1997. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 68 cfu/100mL from 9 samples collected in 1996. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 92 cfu/100mL from 12 samples collected in 1995. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 191 cfu/100mL from 11 samples collected in 1994. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 91 cfu/100mL from 12 samples collected in 1993. City of Bellingham data from station COB-SQA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 69 cfu/100mL from 11 samples collected in 1992.	ZV66WA	2.656	38N	03E	18	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
1	39153	5	N	SQUALICUM CREEK City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 100 cfu/100mL from 1 samples collected in 2001 City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 176 cfu/100mL from 4 samples collected in 2000. City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 335 cfu/100mL from 5 samples collected in 1999. City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 159 cfu/100mL from 5 samples collected in 1998. City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 27 cfu/100mL from 4 samples collected in 1997. City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 169 cfu/100mL from 9 samples collected in 1996. City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 114 cfu/100mL from 12 samples collected in 1995. City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 70 cfu/100mL from 12 samples collected in 1994. City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 166 cfu/100mL from 12 samples collected in 1993. City of Bellingham data from station COB-SQA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 176 cfu/100mL from 12 samples collected in 1992.	ZV66WA	0.064	38N	02E	43	Fecal Coliform	Water	
1	41332	5	N	SQUALICUM CREEK Anderson, P., Roose, M., (2004), station SQ5 shows that 2 of 2 samples exceed the criterion and 1 of 2 samples exceeds the National Toxics Rule criterion.	ZV66WA	2.656	38N	03E	18	Pentachlorophenol	Water	
1	39239	5	N	SQUALICUM CREEK City of Bellingham data from station COB-SQA1 (Squalicum Creek at East Bakerview) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1994, 1996, 1997 and 1998.	ZV66WA	7.387	38N	03E	09	Temperature	Water	
1	39241	5	N	SQUALICUM CREEK Anderson, P., Roose, M., (2004), station SQ5 shows 1 samples exceeded the criterion in year 2003. City of Bellingham data from station COB-SQA3 (Squalicum Creek at Meridian) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1996, 1997 and 1998.	ZV66WA	2.656	38N	03E	18	Temperature	Water	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	41772	5	N	SQUALICUM CREEK Anderson, P., Roose, M., (2004), station SQ1 shows that 3 of 3 samples collected in years 2002 and 2003 exceeded the chronic criterion. Anderson, P., Roose, M., (2004), station SQ3 shows that 3 of 3 samples collected in years 2002 and 2003 exceeded the chronic criterion.	ZV66WA	1.052	38N	02E	24	Zinc		Water
1	41776	5	N	SQUALICUM CREEK Anderson, P., Roose, M., (2004), station SQ5 shows that 3 of 3 samples collected in years 2002 and 2003 exceeded the chronic criterion and 1 sample collected in 2002 exceeded the acute criterion.	ZV66WA	2.656	38N	03E	18	Zinc		Water
1	42520	5	N	SUMAS RIVER Hallock (2003), Dept. of Ecology ambient station 01D080 shows a total of 3 samples in years 2001 and 2002 exceeded the criterion.	MS54MP	32.094	41N	04E	36	Dissolved oxygen		Water
1	6596	5	Y	SUMAS RIVER Hallock (2004), Dept. of Ecology ambient station 01D080 shows a geometric mean of 154.3 exceeded the criterion in year 2002; and shows 4 of 8 samples (50%) in year 2002 exceeded the percentile criterion. 9 excursions beyond the criterion out of 9 samples (100%) at Ecology ambient monitoring station 01D070 (RM 11.9) between 9/91 and 9/96. Cusimano, 1992.. 2 excursion beyond the upper criterion collected at RM 13.4 in 9/91.	MS54MP	32.094	41N	04E	36	Fecal Coliform	Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	Water
1	16407	5	N	SUMAS RIVER Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01D120 (Sumas R nr Nooksack) shows a geometric mean of 603 exceeds the criterion and that 67% of the samples exceeds the percentile criterion from 3 samples collected during 1996.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01D120 (Sumas R nr Nooksack) shows a geometric mean of 216 exceeds the criterion and that 38% of the samples exceeds the percentile criterion from 8 samples collected during 1997.	MS54MP	51.36	40N	04E	21	Fecal Coliform		Water
1	37814	5	N	SYGITOWICZ CREEK Whatcom Conservation District unpublished data at station ACME-B (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 18.7 degrees C from continuous measurements collected in 1998.	FC38MR	0.739	38N	04E	24	Temperature		Water
1	14445	5	N	TENMILE CREEK Joy (2000) station 01TTEN (AT MOUTH BELOW BARRETT LAKE) shows 17 excursions beyond the criterion measured on these dates: 97/03/17, 97/04/28, 97/04/30, 97/05/12, 97/06/18, 97/07/22, 97/08/25, 97/08/26, 97/08/27, 97/09/22, 97/09/23, 97/09/24, 97/11/16, 97/11/17, 97/11/18, 97/11/19, 98/02/23,	FY02EA	0	39N	02E	20	Dissolved oxygen	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues	Water
to											be impaired. (Braley, ECY/WQP, 2003)	

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	5834	5	Y	TENNANT CREEK Silver Creek Watershed Management Committee, 1989. , 5 excursions at Site 4 (RM 1.0) in 1988.; Western Washington University (1993), 18 excursions beyond the criterion out of 55 samples (33%) between 7/91 and 5/93 at Site 4 (RM 1.0).	EL82JG	0	38N	02E	04	Dissolved oxygen		Water
1	5836	5	N	TENNANT CREEK Western Washington University (1993), excursions beyond the criterion out of 55 samples (4%) at Site 4 (RM 1.0) during 1991, 1992, and 1993..	EL82JG	0	38N	02E	04	Temperature		Water
1	41333	5	N	TOAD LAKE CREEK Anderson, P., Roose, M., (2004), station SQ6 shows that 2 of 2 sample exceeds the criterion..	YG94EC	0	38N	03E	09	Pentachlorophenol		Water
1	41777	5	N	TOAD LAKE CREEK Anderson, P., Roose, M., (2004), station SQ6 shows that 2 of 3 samples collected in years 2002 and 2003 exceeded the chronic criterion.	YG94EC	0	38N	03E	09	Zinc		Water
1	37813	5	N	TODD CREEK Whatcom Conservation District unpublished data at station ACME-A (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 19.8 degrees C from continuous measurements collected in 1998.	GK65ZS	1.766	38N	04E	13	Temperature		Water
1	7094	5	Y	UNNAMED CREEK Tetra Tech, 1989 , 1 excursion beyond the criterion at RM 4.0 Mathews, et al. 1994, 10 excursions at Site 26 (RM 4.0) in 1994. Mathews, et al. 1995, 6 excursions Site 26 (RM 4.0) in 1995.	QG38LP	0.022	40N	03E	11	Dissolved oxygen	Administrative name change from KAMM (STICKNEY) SLOUGH to UNNAMED CREEK 01/24/05. -kk	Water
1	39018	5	N	UNNAMED CREEK Western Washington University unpublished data from station WWU-29 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1996, 1997, and 1998.	AC76JK	3.334	40N	03E	11	Dissolved oxygen		Water
1	7099	5	Y	UNNAMED CREEK Mathews, et al. 1995, 13 excursions out of 26 samples (50%) beyond the criterion at Site 26 (RM 4.0) in 1995. Tetra Tech, 1989, 5 excursions beyond the criteria out of 11 samples at RM 4.5 between 10/88 and 9/89.	QG38LP	0.022	40N	03E	11	pH	Administrative name change from KAMM (STICKNEY) SLOUGH to UNNAMED CREEK 01/24/05. -kk Low pH	Water
1	39325	5	N	UNNAMED CREEK Western Washington University unpublished data from station WWU-29 (submitted by Sue Blake of Whatcom County on 17 December 2002) show 11 excursions beyond the criterion from 27 measurements collected in 1996-1998.	AC76JK	3.334	40N	03E	11	pH	Low pH	Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	42507	5	N	UNNAMED CREEK (DRAYTON HARBOR) Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station LS5 shows the following: 4 of 13 samples (30.8%) exceeded the percentile criterion in 2002; 2 of 8 samples (25.0%) exceeded the percentile criterion in 2004.	UNK000	0	00U	000U	00	Fecal Coliform		Water
1	42335	5	N	UNNAMED CREEK (PEAT BOG CREEK) Nooksack Indian Tribe data (submitted by Sara Kinney on 3/10/04), station MF0060 (Peat Bog Creek) shows between 6/19/2003 and 9/8/2003 there were 73 occurrences in which the 7-day mean of daily maximum value exceeded the temperature criterion for this waterbody; the maximum exceedance in this year was 20.19 °Celcius for the 7-day period ending August 1, 2003.	UNK000	0	38N	05E	14	Temperature		Water
1	42499	5	N	UNNAMED CREEK (SEMIAMOO BAY) Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station CC shows the following: a geometric mean of 115.9 cfu/100mL from 22 samples collected in 2002 exceeded the criterion, and 12 of 22 samples (54.5%) exceeded the percentile criterion; 7 of 17 samples (41.2%) exceeded the percentile criterion in 2003; a geometric mean of 109.5 cfu/100mL from 8 samples collected in 2004 exceeded the criterion.	UNK000	0	00U	000U	00	Fecal Coliform		Water
1	42500	5	N	UNNAMED CREEK (SEMIAMOO BAY) Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station CCO shows the following: 8 of 23 samples (34.8%) exceeded the percentile criterion in 2002; 6 of 19 samples (31.6%) exceeded the percentile criterion in 2003.	UNK000	0	00U	000U	00	Fecal Coliform		Water
1	42497	5	N	UNNAMED CREEK (TRIB TO BERTRAND CREEK) Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station B2 shows the following: 5 of 17 samples (29.4%) exceeded the percentile criterion in 2003. Northwest Indian College unpublished data from station NWIC-B2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 88 cfu/100mL from 35 samples collected in 1999. Northwest Indian College unpublished data from station NWIC-B2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 75 cfu/100mL from 5 samples collected in 1998.	SO72ZG	0	40N	02E	27	Fecal Coliform		Water
1	42498	5	N	UNNAMED CREEK (TRIB TO BERTRAND CREEK) Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station SQ shows the following: 3 of 24 samples (12.5%) exceeded the percentile criterion in 2002; 5 of 19 samples (26.3%) exceeded the percentile criterion in 2003. Northwest Indian College unpublished data from station NWIC-BJ (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 85 cfu/100mL from 5 samples collected in 1999.	TR87ZN	2.202	41N	02E	36	Fecal Coliform		Water
1	42506	5	N	UNNAMED CREEK (TRIB TO NOOKSACK RIVER) Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station LLPL shows the following: 3 of 24 samples (12.5%) exceeded the percentile criterion in 2002; 4 of 17 samples (23.5%) exceeded the percentile criterion in 2003; 3 of 8 samples (37.5%) exceeded the percentile criterion in 2004.	UNK000	0	00U	000U	00	Fecal Coliform		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	42511	5	N	UNNAMED CREEK (TRIB TO SILVER CREEK) Northwest Indian College unpublished data (submitted by Steve Hood, Ecology) station SC shows the following: 3 of 24 samples (12.5%) exceeded the percentile criterion in 2002; 3 of 19 samples (15.8%) exceeded the percentile criterion in 2003.	JQ93SX	0	38N	02E	08	Fecal Coliform		Water
1	5845	5	Y	UNNAMED CREEK WDF# 01.0148 Western Washington University (1993), 5 excursions beyond the upper criterion between 9/92 and 5/93 at Site 9 (Unnamed Creek WDF# 01.0148 at RM 0.5).	PC85CB	0.81	38N	02E	03	Fecal Coliform	Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	Water
1	39033	5	N	WHATCOM CREEK City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1990, 1991, 1994, 1995, 1996, 1998 and 1999.	EZ19GC	4.036	38N	03E	28	Dissolved oxygen		Water
1	39034	5	N	WHATCOM CREEK City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1994, 1995 and 1996. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01E050 (Whatcom Cr @ Bellingham) shows 0 excursions beyond the criterion out of 12 samples collected between 1993 - 2001	EZ19GC	0.027	38N	03E	30	Dissolved oxygen		Water
1	39035	5	N	WHATCOM CREEK City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) show excursions beyond the criterion from measurements collected in 1990, 1991, 1994, and 1995. Utah State University unpublished data from station USU-1 (submitted by Sue Blake of Whatcom County on 17 December 2002) show no excursions beyond the criterion from measurements collected in 2000.	EZ19GC	2.176	38N	03E	29	Dissolved oxygen		Water

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Remarks	Medium
				Basis								
1	16408	5	Y	WHATCOM CREEK	EZ19GC	0.027	38N	03E	30	Fecal Coliform		Water
<p>Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01E050 (Whatcom Creek at Bellingham) shows a geometric mean of 108 exceeds the criterion and that 33% of the samples exceeds the percentile criterion from 9 samples collected during 1994.</p>												
<p>Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01E050 (Whatcom Creek at Bellingham) shows a geometric mean of 390 exceeds the criterion and that 67% of the samples exceeds the percentile criterion from 3 samples collected during 1993.</p>												
<p>U.S.Geological Survey data from NWIS database station 12203540 (Whatcom Cr at James St at Bellingham) shows a geometric mean of 3200 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 1 samples collected during 1998.</p>												
<p>City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 92 cfu/100mL from 1 samples collected in 2001.</p>												
<p>City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 119 cfu/100mL from 4 samples collected in 2000.City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 291 cfu/100mL from 5 samples collected in 1999.</p>												
<p>City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 172 cfu/100mL from 5 samples collected in 1998.</p>												
<p>City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 78 cfu/100mL from 5 samples collected in 1997.</p>												
<p>City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 128 cfu/100mL from 12 samples collected in 1995.</p>												
<p>City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 85 cfu/100mL from 12 samples collected in 1994.</p>												
<p>City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 170 cfu/100mL from 11 samples collected in 1993.</p>												
<p>City of Bellingham data from station COB-WHA2 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 189 cfu/100mL from 12 samples collected in 1992.</p>												

1

39160

5

N

WHATCOM CREEK

EZ19GC

4.036

38N

03E

28

Fecal Coliform

Water

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 20 cfu/100mL from 1 samples collected in 2001.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 9 cfu/100mL from 4 samples collected in 2000.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 52 cfu/100mL from 5 samples collected in 1999.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 41 cfu/100mL from 5 samples collected in 1998.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 28 cfu/100mL from 5 samples collected in 1997.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 45 cfu/100mL from 9 samples collected in 1996.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 14 cfu/100mL from 12 samples collected in 1995.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 189 cfu/100mL from 12 samples collected in 1994.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 70 cfu/100mL from 12 samples collected in 1993.

City of Bellingham data from station COB-WHA1 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 38 cfu/100mL from 12 samples collected in 1992.

City of Bellingham data from station COB-WHA5 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 15 cfu/100mL from 5 samples collected in 1992.

1

39162

5

N

WHATCOM CREEK

EZ19GC

2.176

38N

03E

29

Fecal Coliform

Water

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 16 cfu/100mL from 1 samples collected in 2001.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 21 cfu/100mL from 4 samples collected in 2000.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 134 cfu/100mL from 5 samples collected in 1999.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 33 cfu/100mL from 5 samples collected in 1998.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 32 cfu/100mL from 5 samples collected in 1997.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 87 cfu/100mL from 9 samples collected in 1996.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 59 cfu/100mL from 12 samples collected in 1995.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 139 cfu/100mL from 12 samples collected in 1994.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 80 cfu/100mL from 11 samples collected in 1993.

City of Bellingham data from station COB-WHA3 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 64 cfu/100mL from 11 samples collected in 1992.

City of Bellingham data from station COB-WHA4 (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a geometric mean of 53 cfu/100mL from 6 samples collected in 1992.

1

36841

5

N

WHATCOM CREEK

EZ19GC

4.036

38N

03E

28

Temperature

Water

City of Bellingham data at station COB-CDAM (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 24.5 degrees C from continuous measurements collected in 2000.

City of Bellingham data from station COB-WHA1 (Whatcom Creek at Control Dam) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1990-2000.

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information					Parameter	Remarks	Medium
1	36842	5	Y	WHATCOM CREEK City of Bellingham data at station COB-DUPONT (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 23.5 degrees C from continuous measurements collected in 2000. City of Bellingham data from station COB-WHA2 (Whatcom Creek at Dupont) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1990, 1992, 1994, 1995, 1996, 1997, 1998, and 2000. U.S.Geological Survey data from NWIS database station 12203540 (Whatcom Cr at James St at Bellingham) shows 1 excursions beyond the criterion out of 1 samples collected between 01/93 - 10/00. Hallock (2001) Dept. of Ecology Ambient Monitoring Station 01E050 (Whatcom Cr @ Bellingham) shows 3 excursions beyond the criterion out of 12 samples collected between 1993 - 2001 measured on these dates: 94/07/19, 94/08/16, 94/09/20,	EZ19GC	0.027	38N	03E	30	Temperature		Water
1	36843	5	N	WHATCOM CREEK City of Bellingham data at station COB-RACINE (submitted by Sue Blake of Whatcom County on 17 December 2002) shows a 7-day mean of daily maximum values of 22.3 degrees C from continuous measurements collected in 2000. City of Bellingham data from station COB-WHA3 (Whatcom Creek at I-5) submitted by Sue Blake of Whatcom County on 17 December 2002 shows excursions beyond the criterion from measurements collected in 1990, 1992, 1994, 1995, 1996, 1997, 1998, and 2000. Utah State University data from station USU-1 (Whatcom Creek) submitted by Sue Blake of Whatcom County on 17 December 2002 shows no excursions beyond the criterion from measurements collected in 2000.	EZ19GC	2.176	38N	03E	29	Temperature		Water
1	14024	5	N	WHATCOM LAKE Serdar, et al. 1999. show the National Toxic Rule criterion was exceeded in a composite of 8 individual fillets for kokane collected throughtout the lake.	205VNG	48122H3D3	48.735	122.335	Dieldrin		The basis cited for the assessment applies to the entire lake. The center grid segment of the lake was selected to represent this information.	Tissue
1	5846	5	Y	WHATCOM LAKE Pelletier, 1998. hypolimnetic oxygen depletion rates in Basin I show significant increase during the period 1983-1997. Erickson, 1997. Based on data collected by Mathews, et al. 1997. ten years show increasing rates of oxygen depletion with depth at Site 1 in September over the past 10 years.	205VNG	48122H4G1	48.765	122.415	Dissolved oxygen			Water
1	15889	5	N	WHATCOM LAKE Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH10B from samples collected on 5/25/2000. Serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH10A from samples collected in 2000. Serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH72B from samples collected in 2000.	205VNG	48122H3E7	48.745	122.375	Mercury			Tissue

WRIA	Listing ID	Category	98 List?	Waterbody Name Basis	Location Information				Parameter	Remarks	Medium
1	15890	5	N	WHATCOM LAKE Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH38 from samples collected on 5/15/2000. Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH39 from samples collected on 5/23/2000.	205VNG	48122G2H6	48.675	122.265	Mercury		Tissue
1	15891	5	N	WHATCOM LAKE Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH48 from samples collected on 5/22/2000.	205VNG	48122G3H1	48.675	122.315	Mercury		Tissue
1	15892	5	N	WHATCOM LAKE Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH4A from samples collected on 5/15/2000. Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH5 from samples collected on 5/15/2000 and 5/23/2000. Serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH3 from samples collected in 2000. Serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH4B from samples collected in 2000.	205VNG	48122H4G0	48.765	122.405	Mercury		Tissue
1	15893	5	N	WHATCOM LAKE Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH62 from samples collected on 5/15/2000. Serdar et al. 2001 show no excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH61 from samples collected in 2000.	205VNG	48122H3B1	48.715	122.315	Mercury		Tissue
1	15894	5	N	WHATCOM LAKE Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH63A from samples collected on 5/22/2000 and 5/23/2000. Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH63B from samples collected on 5/16/2000 and 5/23/2000.	205VNG	48122H3C2	48.725	122.325	Mercury		Tissue
1	15895	5	N	WHATCOM LAKE Serdar et al. 2001 show excursions beyond the National Toxic Rule Criterion in edible fish tissue at station LKWH81B from samples collected on 5/25/2000.	205VNG	48122H4F1	48.755	122.415	Mercury		Tissue
1	14025	5	N	WHATCOM LAKE Serdar, et al. 1999. show the National Toxic Rule criterion was exceeded in composites of 8 individual fillets for both kokane and small mouth bass collected throughout the lake. Seiders, 2002. show the National Toxics Rule criterion was exceeded in fillet samples of Cutthort trout collected in 2001.	205VNG	48122H3D3	48.735	122.335	Total PCBs	The basis cited for the assessment applies to the entire lake. The center grid segment of the lake was selected to represent this information.	Tissue

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium	Remarks
				Basis							
1	8621	5	N	WHATCOM LAKE	205VNG	48122H3D3	48.735	122.335	Total Phosphorus	Water	
				Completed Phase I in 1988 - Problems Encountered: Tributary nutrient inputs, localized/embayment water quality deterioration.							Active Phase II State Clean Lakes Restoration Project: Numerous control measures are underway based on the Phase I study. Watershed nutrient management (timber harvesting, septic system management, ordinance development) structural storm water controls, public education.
				Sumioka and Dion (1985) show a summer epilimnetic total phosphorus concentration of 10 ug/L from samples collected in 1981 which does not exceed the water quality standards nutrient criterion for the Puget Lowlands Ecoregion.							The basis cited for the assessment applies to the entire lake. The center grid segment of the lake was selected to represent this information.